

MATHEMATICS, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN MATHEMATICAL SCIENCE

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
MATH 225	Calculus I	4
STAT 152	Elementary Statistics I	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar	1
SUBJ 139	Foundations of Academic Discovery	3
Creative & Aesthetic Inquiry (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
Hours		17
Spring		
MATH 131	Discrete Mathematics	3
MATH 230	Calculus II	4
CPSC 146	Programming Principles	3
ENGL 102	Critical Writing	3
Humanities Inquiry (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
Hours		16
Second Year		
Fall		
MATH 231	Calculus III	4
MATH 235	Foundations of Mathematical Proof	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235	Civil Discourse and Democracy	
Social Science Inquiry (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
Elective with DEI attribute		3
Declare a Thematic Thread		
Hours		16
Spring		
MATH 232	Linear Algebra	3
MATH 301	Differential Equations I	3
PHYS 216	University Physics 1 with Lab	4
Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
Hours		13
Third Year		
Fall		
MATH/STAT 300+	MATH/STAT Elective	3
MATH 313	Introductory Analysis I	3

STAT 352	Mathematical Statistics I	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
Hours		16
Spring		
Select one of the following:		3
MATH 314	Introductory Analysis II	
MATH/STAT	MATH/STAT Elective	
MATH 325	Abstract Algebra I	3
Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
Elective		3
Hours		15
Fourth Year		
Fall		
MATH/STAT 300+	MATH/STAT Elective	3
Select one of the following:		3
MATH 326	Abstract Algebra II	
MATH/STAT 300+	MATH/STAT Elective	
Elective		3
Elective		3
Elective		3
Hours		15
Spring		
MATH/STAT 300+	MATH/STAT Elective	3
MATH/STAT 300+	MATH/STAT Elective	3
MATH 491	Mathematics Seminar	1
Elective		3
Elective		3
Hours		13
Total Hours**		121

*** This document is meant to serve as a guide. Some planners may show more than 120 credits because faculty have created flexibility in choosing courses. However, only 120 credits are required to obtain a degree. Please consult with your academic adviser and refer to your curriculum guide prior to registering for courses. This plan should be reviewed, and verified, by you and your academic adviser at least once each academic year.*

Mathematics BS/Mathematical Science (6152/MASC)
Revised date: 09.08.2023